

양측 예방적 경부곽청술로 확인한 후두 및 하인두 편평세포암종의 잠재전이

최은창 · 김영호 · 김세현 · 김동영 · 홍정표 · 정형진 · 고윤우 · 이용훈 · 홍원표

Occult Neck Metastasis in Larynx and Hypopharynx Squamous Cell Carcinomas Confirmed with Simultaneous Bilateral Elective Neck Dissection

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ABSTRACT

Background and Objectives : Neck metastasis is one of the most important prognostic factor in treating head and neck squamous cell carcinomas. Recently, elective neck dissection has been widely accepted for accurate pathologic staging and elective treatment of neck. Occult metastasis rate of laryngeal and hypopharyngeal cancer varies widely depending upon authors. However, occult metastasis rate confirmed with simultaneous bilateral elective dissection is rare. **Materials and Methods** : Fifty patients (100 necks) who underwent surgery for laryngeal and hypopharyngeal squamous cell carcinomas as an initial treatment from 1992 to 1997 were evaluated. All had bilateral elective neck dissection at the time of surgery for the primary treatment. Charts and pathologic reports were reviewed. **Result** : Occult neck metastasis rate by primary site were as follows. Supraglottis ipsilateral 40% (8/20) contralateral 15% (3/20), glottis ipsilateral 18% (4/22), contralateral 0% (0/22), hypopharynx ipsilateral 88% (7/8), contralateral 25% (2/8). **Conclusion** : Supraglottic and hypopharyngeal cancer may need elective neck treatment bilaterally. Contralateral neck occult metastasis from glottic cancer was minimal. (Korean J Otolaryngol 1999;42:621-6)

KEY WORDS : Occult neck metastasis · Larynx cancer · Hypopharynx cancer · Bilateral neck dissection · Elective neck dissection.

		3 37%	
		4)	
가			
가		5)	
가			
1-3) NO		가 NO	
: 1999 11 27 / : 1999 4 19			
: , 120 - 752		134	
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1992 9 1997 8
202

가 NO

50

NO

가

가

Mancuso⁶⁾

level 1.5 cm

1.0 cm

가

6 15 mm

(carotid sheath)

가

1

1997 AJCC

1

24

42

20

22

8

가 4

3

1

T1 1

T2 가 10

T3, T4가 5

T2가 1

T3가 9

T4가 12

T3

T2가 1

T3, T4가

3

(lateral neck dissection)

level

(anterolateral neck dissection)

가

2

1

level

가

11

5

가

가 6

level

SAS 6.12

chi square test

multiple logistic regression

50

가

19

8/20(40%),

4/22

(18%),

7/8(88%)

40%(8/20),

15%(3/20)

18%(4/22),

0%(0/22),

88%(7/8),

25%(2/8)

(p=0.002)

(Table 1 and 2).

가

가

T1 - 2

55%(6/11),

9%(1/11), T3 - 4

22%(2/9),

22%

(2/9)

T1 - 2

0%(0/1), T3 - 4

19%(4/21),

0%(0/21)

T1 - 2

50%(1/2),

0%(0/2), T3 -

4

100%(3/3),

67%(2/3)

T

가

1.518

가

(p=0.28).

가

level

가 10

가 8

가 5

level

16

level

Table 1. Ipsilateral occult metastasis of larynx and hypopharynx squamous cell carcinoma

	Supraglottis	Glottis	Hypopharynx
T1	0/1 (0%)	-	-
T2	6/10 (60%)	0/1 (0%)	1/2 (50%)
T3	1/5 (20%)	1/9 (11.1%)	3/3 (100%)
T4	1/4 (25%)	3/12 (25%)	3/3 (100%)
Total*	8/20 (40%)	4/22 (18.2%)	7/8 (87.5%)

(* p<0.01)

Table 2. Contralateral occult metastasis of larynx and hypopharynx squamous cell carcinoma

	Supraglottis	Glottis	Hypopharynx
T1	0/1 (0%)	-	-
T2	1/10 (10%)	0/1 (0%)	0/2 (0%)
T3	1/5 (20%)	0/9 (0%)	0/3 (0%)
T4	1/4 (25%)	0/12 (0%)	2/3 (66.7%)
Total*	3/20 (15%)	0/22 (0%)	2/8 (25%)

(* p<0.01)

가 31 1 N0 가 .

가

19 2 가 1 ,

. Vandenbrouck ¹⁰⁾

, Je -

sse ⁸⁾ 가 5%

N0

가

가 ¹⁾¹¹⁾¹²⁾ Mendelson ¹³⁾ N0

40%

가?

Spiro ³⁾ Medina Byers, ¹⁴⁾

Byers ⁵⁾

가?

N0

⁷⁾⁸⁾

(30%) N0

N + (25%)

Jesse ⁸⁾

N0 2 5.5%

가

N0

가

가

가

가

가

N0

가 N⁺ 가

⁹⁾

가

⁹⁾

T2 N0 166

가

Chow ¹¹⁾ N0 498 285

, 213

가

Weissler ¹⁶⁾

2

가

(6, 8,

25%

10%)

가 가

N0

가

⁹⁾

33%, 40%가

N0

15 20%

9)
kel⁴⁾

van den Bre -

Chow ¹¹⁾

T1, T2 3 21%, T3,
T1, T2 30 35%, T3, T4
T4 10 14%,
25 32%,
15 55%
T1, T2 가
T3, T4 19% 가
T1, T2 가 55%, T3, T4가 22%, 88% Chow ¹¹⁾ 25%(2/8)가
가
T1, T2 가
DeSanto ¹⁸⁾

가
가
가
Byers ⁵⁾ 가 T1, T2 6.3
21%, T3, T4 14% T1, 1/3
T2가 30%, T3, T4가 25% 25% 1
가
가
가
Kim ¹⁵⁾ 8
가 가 N0
9)
(, 2 14 3 1
,)
1972 Lindberg¹⁷⁾ , 2 5
가 3 ,
가 2 5 가
가
가
Byers ⁵⁾
299
15%
8%가

가 31 1 ,
가 19 2
1 1 가
가
가 , ,
, T2 , ,
T3 .¹²⁾ Byers . Chow¹¹⁾
5) 가 가
93 85
8 24
22 가
가 18 16 가가
가
. Candela¹⁹⁾ N0
N0 79
level 5%, 2.5% 가
, N⁺ 132 가 6% 가
, ,
level , 가 16
, ,
. Kim²⁰⁾ 20
4
level ,
가 level level
Candela¹⁹⁾ 가
. Candela²¹⁾
333 N0 71 , N⁺ 259
level
, ,
1 가
, ,
N0

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